

IOT Business Continuity & Disaster Recovery - 2020

Who We Are:
Our team works with the operational teams of IOT and the agencies to devise a recovery plan for the critical systems in an Operational outage or in a declared Disaster event.

Our Mission:
To provide consistent delivery of Disaster Recovery services to enhance the availability and recoverability of state-held critical assets hosted at IOT Data Center while supporting the State’s business objectives.

Department: Disaster Recovery and Business Continuity Services

Managers Steve Kremer, Deputy Hosting and Shared Services; Ram Annamalai, Director of Disaster Recovery and Business Continuity

Formed: The IOT DR team formed 2007 under Security team and moved to Server hosting and Shared Services team November 2017

What We Do: Collaborate and partner with agencies to design, plan, standardize, implement, test, and document the critical systems DR plan in accordance to the compliance set forth with the policies directed by IOT Security.

We also manage yearly contracts and maintain a positive partnership with the colocation datacenter provider

Collaborate and partner with IOT Operational teams to devise a COOP plan for Business and Operational outages for IOT as an agency.

Our Products:			
1137P	DR Traditional - Physical Server	1137V	DR Traditional - Virtual Server
1137MP	DR Premium - Physical Server	1137MV	Disaster Premium - Virtual Server
1137R	Rack Hosting (Bloomington only)		

Our Tools:

Colocation Data Center IU Data Center, Bloomington	WAN Connectivity I-Light 10 GB (Protected Zone) I-Light 10 GB (Intranet – December 2019)
Replication EMC VMAX3 SRDF/Metro PureStorage DataGuard (EXADATA, OracleRAC)	Storage EMC VMAX3 PureStorage
Network Attached Storage ISILON	Archive EMC Elastic Cloud Service
Backup AVAMAR EMC DataDomain (Oracle database backups)	

Our Metrics: Tracks metrics for its agency critical systems DR tested every year.

Our Customers: All Executive Branch agencies, Secretary of State, and Department of Education

Our Budget: \$0.5M

Our Growth: 20 Agencies are using the Disaster Recovery services

Major Accomplishments - 2019:

IOT Disaster Recovery and Business Continuity Team

- DR Tests /MHA Tests /Table Top Exercises
- Executed DR/MHA Tests
- COOP Spring 2019 version
- COOP Tabletop Exercises
- IOT Safety and Emergency Management Formation
- FY20/21 IU Contract Renewal
- AED Procurement and Installation
- ISI Archer Profile for IOT Infrastructure Systems

DR Tests
[Agency IT DR Tests/Tabletop Top Exercise - 2019](#)

Current Projects:
IOT Disaster Recovery and Business Continuity Team

- [Agency IT DR plan 2020](#)
- COOP/Safety & Emergency Management**
- Tabletop Exercise Spring 2020 – Pandemic
 - Evacuation Drill Summer 2020
 - Emergency Notification System
 - Hygiene Improvements
 - Floor Marshal and Volunteers
 - COOP Simulation Exercise Fall 2020